

Curriculum vitae PD Dr. Salome Dell-Kuster, MD, MSc

Date of birth: 06.11.1973
Place of birth: Basel, Switzerland
Nationality: Swiss
Marital status: Married
Children: 2009, 2011
Address: Schalerstrasse 8, 4054 Basel, Switzerland
Telephone: +41 (0)79 743 92 65
E-mail: salome.dell-kuster@usb.ch
ORCID: 0000-0001-7219-7138
ResearchID: H-4259-2017



Employment history: Research

Research interests: Perioperative outcome research; clinical trials; methodological research

- 01/2020 – present Research Lead, Department of Anaesthesia, Prehospital Emergency Medicine and Pain Therapy, USB, CH (30%; Prof. L.A. Steiner)
- 08/2017 – present Research group leader perioperative patient safety, University of Basel, CH
- 07/2012 – 03/2022 Senior researcher and biostatistician, Basel Institute for Clinical Epidemiology and Biostatistics (CEB) and USB, CH (20-40%; Prof. H.C. Bucher)
- 11/2008 – 06/2012 Junior researcher and biostatistician, CEB and USB, CH (40-60%; Prof. H.C. Bucher)
Statistical and methodological consultancy in clinical research projects for the Department of Surgery, USB, CH (Prof. R. Rosenthal, Prof. H.C. Bucher)
Co-PI, Co-investigator and statistical consultant in clinical studies in the field of perioperative patient safety, neuroanaesthesia, cardiac anaesthesia and emergency medicine
- 09/2006 – 09/2007 Master of Science in Medical Statistics, LSHTM, London, UK (Prof. S. Pocock, Prof. B. De Stavola, Prof. S. Evans)
- 06/2006 – 09/2007 Research fellow in perioperative patient safety: Critical Incident Reporting System (CIRS), Department of Anaesthesia, USB (Prof. M. Kaufmann)
- 06/2004 – 08/2006 Co-investigator in several clinical studies alongside clinical work, Department of Anaesthesiology, USB, CH (Prof. T. Girard; Prof. M. Kaufmann)

Employment history: Clinic (Anaesthesiology)

- 01/2020 – present Senior Consultant (Kaderärztin), Department of Anaesthesia, Prehospital Emergency Medicine and Pain Therapy, University Hospital Basel, CH (70%; Prof. L.A. Steiner)
- 04/2012 – 12/2019 Consultant, Department of Anaesthesiology, USB, CH (40-80%; Prof. L.A. Steiner)
- 10/2007 – 03/2012 Resident, Department of Anaesthesiology, USB, CH (40-100%; Prof. D. Scheidegger)
- 04/2004 – 05/2006 Resident, Department of Anaesthesiology, USB, CH (100%; Prof. D. Scheidegger)
- 01/2003 – 12/2003 Resident internal and intensive care medicine, Department of Internal Medicine, Bürgerspital Solothurn, CH (PD R. Schoenenberger)
- 07/2002 – 12/2002 Resident surgery and intensive care medicine, Department of Surgery, Bürgerspital Solothurn, CH (Dr. J-P. Barras, Dr. P. Schumacher)
- 04/2000 – 03/2002 Resident, Department of Anaesthesia, Bürgerspital Solothurn, CH (Dr. P. Schumacher)

Education

- 06/2017 Habilitation (venia docendi) on 'Perioperative patient safety', University of Basel, CH
- 09/2011 Board Certification in Anaesthesiology and Emergency Medicine, Switzerland
- 11/2007 Master of Science in Medical Statistics, London School of Hygiene and Tropical Medicine (LSHTM), London, UK (Prof. S. Pocock, Prof. B. De Stavola, Prof. S. Evans)

01/2004	Doctoral Thesis, University of Basel, Switzerland (Prof. J. Hammer)
11/1999	Graduation Medical School (Staatsexamen), University of Basel, CH
1993 - 1999	Medical School University of Basel and University of Lausanne, CH
1984 - 1992	High School (Humanistisches Gymnasium, Basel; Maturität Typus A)

Additional training in research methodology

02/2021	Implementation Science (International Society for Medication Adherence ESPACOMP, virtual conference)
01/2018	Prognostic Research: From Basics to Modelling (Swiss Epidemiology Winter School, Institute for Social and Preventive Medicine (ISPM), Bern, CH)
01/2016	Generalised additive models (Prof. S. Wood, University of Zurich, CH)
06/2015	CTU theme day: Research consent, USB, Basel, CH
06/2014	Course in GCP inspections, USB, Basel, CH
09/2014	GCP sponsor-investigator (University Hospital Basel (USB), Basel, CH)
05/2014	Multi-level modelling: Analysis of clustered data (Prof. M. Rössli, Swiss Tropical and Public Health Institute (Swiss TPH), Basel, CH)
06/2013	CTU theme day: The new law on human research
06/2013	Missing data analysis course (Prof. M. Kenward, Prof. J. Carpenter, LSHTM, London, UK)
05/2012	GCP course (investigator/co-investigator, USB, Basel, CH)
01/2010	Causal inference in observational epidemiology course (Prof. M. Hernan/ J. Sterne, ISPM Bern)

Additional academic training

09/2021	Management, decision and communication in the hospital (University Hospital Basel)
01 - 04/2021	Leadership in a nutshell (University Hospital Basel)
11/2018	Course in university didactics 'Supervision master thesis'
09/2017	Negotiation: Know what you want, get what you need (Filling the Gap, University of Zurich, CH)
07/2017	Training in appointment proceedings for women in medicine (Filling the Gap, University of Zurich, CH)
06/2006 – 04/2007	Mentoring programme, USB, Basel, CH
06/2014	Course in university didactics (Module 1, 3 and 4; University Basel, Basel, CH)
11/2004	Human aspects development (HAD) course (4 days)

Funded research projects

10/2019 - present	EEG trial (PI, main and co-applicant 3 grants; national, multicentric)
11/2018 - present	Discrepancy in reporting of perioperative adverse events (PI, main applicant 1 grant)
05/2018 - present	Epidemiology of multimorbidity in perioperative patients (PI, main applicant 1 grant)
10/2016 - 06/2020	Validation of ClassIntra® (Chief investigator, main applicant for 3 grants; international, multicentric)
10/2016 - 02/2019	Generalisability of randomised trials (PI, main applicant grant CHF 8,700)
11/2014 - 01/2017	Carbetocin trial (PI, main applicant for 3 grants)
04/2013 - 10/2017	Disregarding clustered data in surgical research (PI, co-applicant grant)

Summary of supervision & teaching

Supervision junior postgraduate researchers (Supervision 7 MD doctoral theses; co-supervision 3 PhD thesis)

PhD candidates: Anja Domenghino, University of Zurich, Switzerland

Larsa Gawria, Radboud University Nijmegen, The Netherlands

Nuno Gomes, University of Basel, Switzerland

MD thesis Christian Grob, Luzius Angehrn and Amar Polutak, University of Basel, Switzerland

MD thesis (compl) Mathias Gutzwiller, Bettina Gruber, Olga Bossong and Laura Gabriel, University of Basel, Switzerland

Supervision MD Master's thesis (Supervision 2 Master's theses)

Loris Cavalli and Luzius Angehrn, University of Basel, Switzerland

Teaching postgraduates (selection)

02/2018 – present Faculty member of Masterclass in Statistics and Research Methodology for European Society of Anaesthesiology

Teaching undergraduates (selection)

02/2018 – present Lecturer: biostatistics for medical students (2nd year Bachelor's Medicine, University of Basel)

09/2020 Development task online module statistics for multiple linear regression and logistic regression (3rd year Bachelor's Medicine, University of Basel)

05/2019 – 05/2020 Lecturer (group studies): Critical appraisal skills (3rd year Bachelor's Medicine, ETH Zurich)

10/2010 – 10/2020 Lecturer (group studies): evidence-based medicine (3rd year Bachelor's Medicine, University of Basel)

09/2016 Development task online module statistics for linear regression and survival analysis (3rd year Bachelor's Medicine, University of Basel)

Memberships

SSAPM Swiss Society of Anaesthesiology and Perioperative Medicine

SAOA Swiss Association of Obstetric Anaesthesia

OAA Obstetric Anaesthetists' Association United Kingdom

ESA Active member of European Society of Anaesthesiology;

Faculty member for ESA Masterclass in Statistics and Research Methodology

Prizes and Awards (past 3 years)

- 1) **SGAR Best Paper Award 2021** „Prospective validation of classification of intraoperative adverse events (ClassIntra®): international, multicentre cohort study“ (BMJ 2020;370:m2917)
- 2) **2nd best oral presentation** Annual Meeting of Swiss Society of Anaesthesiology and Resuscitation, Geneva 2021: Discrepancy in reporting of perioperative complications.
- 3) **First prize 2020** Innovation Qualité SAQM: Validation study of Classintra®

Institutional responsibilities

Since 2020: Research lead Clinic of Anaesthesiology, USB, CH

Since 2016: Member of the dissertation award committee at the Medical Faculty, University of Basel, CH

Since 2018: Quality management representative for cross-departmental function USB, CH

Since 2017: Staff roster for all consultants, Department of Anaesthesiology, USB, CH

01/2012 - 12/2020: Information evenings for expectant parents (labour analgesia and anaesthesia), USB